

TABLE 5-5

ANALYTES DETECTED IN SURFACE WATER SAMPLES FROM PORTAL #2 AND PORTAL #3

Chemical Name	Minimum Screening Value ^a (µg/L)	Portal #2				Portal #3			
		1st Round	2nd Round	3rd Round	4th Round	1st Round	2nd Round	3rd Round	4th Round
METALS		(µg/L)				(µg/L)			
ALUMINUM	-	90	150	180J	ND	ND	ND	ND	ND
ANTIMONY	1040	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	0.0842	ND	ND	1	ND	2	3	2	2
BARIUM	-	49	117	29	42	233	232	216	235
BERYLLIUM	0.0793	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	3.6	ND	ND	ND	ND	ND	ND	ND	ND
CALCIUM	-	37400	82800	22000	32400	86400	86400	79900	86200
CHROMIUM	275.3	ND	ND	ND	ND	ND	ND	ND	ND
COBALT	-	ND	ND	ND	ND	ND	ND	ND	ND
COPPER	22.8	ND	ND	ND	ND	ND	ND	ND	ND
IRON	-	430	2160	200	340	758	1640	5500	940
LEAD	1.5	ND	ND	ND	1	ND	ND	ND	ND
MAGNESIUM	-	33800	65000	24300	28000	50600	51500	47400	49100
MANGANESE	-	254	1510	48	62	233	214	227	219
MERCURY	0.012	ND	ND	ND	ND	ND	ND	ND	ND
NICKEL	225	ND	ND	ND	ND	ND	ND	ND	ND
POTASSIUM	-	2800	5600	3700	2000	2800	2600	2600	2600
SELENIUM	5	2	1	1	ND	2	1	ND	ND
SILICON	-	1810	4990	ND	1090 J	9800	9480	9130	8730 J
SILVER	0.1	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM	-	4300	9990	2830	4880	22500	22500	22100J	20300
THALLIUM	1.56	ND	ND	ND	ND	ND	ND	ND	ND
VANADIUM	-	ND	ND	ND	ND	ND	ND	ND	ND
ZINC	151.3	4	ND	5	13	ND	ND	ND	ND
GENERAL CHEMISTRY									
pH	-	7.37	6.72 J	7.2	7.2	7.09	6.99 J	6.9	6.9
Carbonate, µg/L CaCO ₃	-	ND	ND	ND	ND	ND	ND	ND	ND
Bicarbonate, µg/L CaCO ₃	-	194000	421000	110000	150000	444000	474000	440000	430000
Hardness, µg/L CaCO ₃	-	233000			200000	424000		400000	420000
Conductivity, µmhos/cm	-	424	864	350	370	798	828	800	760
TDS, µg/L	-	203000	474000	180000J	190000	420000	436000	430000	470000
Turbidity, NTU	-	3.1	6.3	5	3.6 J	3.2	9.8	2.2	4.7
Fluoride	-	100	130	180	ND	ND	ND	ND	ND
Chloride	230000	2300	3500	1900	2200	2100	1800	2600	2000
Nitrate (as N)	-	ND	14	480	140	ND	ND	ND	53
Nitrite (as N)	-	ND	ND	52	ND	ND	ND	ND	ND
Sulfate	-	29000	82500	45000	45000	18600	20200	9400	29000
ORGANICS									
DIETHYLPHTHALATE	28400	ND	ND	ND	ND	1	ND	ND	ND
ANALYSIS 524.2									
1,1-DICHLOROETHANE	-	ND	1	ND	0.5	ND	ND	ND	ND

ND - Analyte was Not Detected.

Shading indicates exceedance of the screening value. Exceedance of a screening value does not necessarily indicate a significant risk or health hazard, only the need to retain the compound for further evaluation.

^aValue represents minimum potential ARAR in Table 4-4.